

TOPFIELD



The User's Manual

FREE TO AIR
Digital Satellite Receiver





TF3000Fi - Non-SCART model

TF3000FEi - SCART model

Please read this User's Manual carefully.
The menu structure and specification can be changed without notice.

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	CAUTION	
	RISK ELECTRIC SHOCK Do NOT OPEN	
		
	This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.	
This symbol indicates important instructions accompanying the product.		
CAUTION: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE		
Warning!		
Please do not insert metal or alien substance into the slots for the Modules and Cards. In doing so can cause damage to the STB and reduce its life span.		

WARNING Warning WARNING Warning WARNING

Please read the following recommended safety precautions carefully for your safety.

MAINS SUPPLY : 90-250V AC 50/60 Hz.

OVERLOADING : Do not overload wall outlets, extension cords or adapters as these can result in fire or electrical shock.

LIQUIDS : Keep liquids away from the STB.
The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

SMALL OBJECTS : Coins or other small objects must be kept away from the IRD as they can fall through the ventilation slots of the IRD and cause serious damage.

CLEANING : Disconnect the IRD from the wall socket before cleaning it. Use a dry cloth lightly dampened (no solvents) to clean the exterior of the IRD.

VENTILATION : Do not block the decoder's ventilation slots. Ensure that a free airflow is maintained around the IRD. NEVER stand the IRD on soft furnishings or carpets. Do not use or store the IRD where it is exposed to direct sunlight or near a heater. NEVER stack other electronic equipment on top of the IRD.

ATTACHMENTS : Do not use any attachments that are not recommended as these may cause hazards or damage the equipment .

CONNECTION TO THE SATELLITE DISH LNB :
Disconnect the IRD from the mains before connecting or disconnecting the cable from the satellite dish.
FAILURE TO DO SO CAN DAMAGE THE LNB,

SERVICING : Do not attempt to service this product yourself. Refer all servicing to qualified service agents.

LIGHTNING : It is recommended that the IRD should remain connected at all times to the mains supply and satellite dish (except when working on the LNB). However, the manufacturer's instructions for safeguarding other equipment connected to the IRD, i, e, TV set, must be followed during lightning storms. LNB and the modem telephone line are essential.

EARTHING : The LNB cable **must be earthed** to the system earth for the satellite dish.

LOCATION : Locate the IRD indoor place properly to prevent lightning, raining and direct sunlight.

INTRODUCTION

Thank you for purchasing the Digital Satellite Receiver (STB).

This Digital Satellite Receiver is fully compliant with the international DVB standard and thus transmits digital images, sounds, information guides and teletext directly to your TV through the satellite. Now you can comfortably see and receive digitally transmitted music, news, movie and sports satellite broadcasts in your office or at your home.

In the Channel Search section, both the automatic channel search method and the manual Search mode are provided. Also it supports DiSEqC 1.2, enabling you to move your antenna in order to focus your preferred satellite. You can save up to 3500 TV and 1500 Radio channels and work around with the Favorite, Lock, Delete, Move and Sort functions. The Menu is very modern and supports different languages. All functions can be carried out using the remote control and some of the functions can also be carried out using the front panel.

The STB is easy to use and adaptable for future advances. Please be aware that new software may change the functions of the STB.

If you have any difficulties concerning the operation of your STB, please refer to the relevant section of this manual, including the 'Troubleshooting'. This Manual will provide you with useful information on using the STB.

CONTENTS

Please ensure that the following items are included with the STB.

- 1) Remote control unit
- 2) Batteries (size AAA)
- 3) User's Guide (this document)

FEATURES

Fully Compliant to DVB

Antenna/LNB control

- 22KHz mode On/Off
- 0/12V mode selection (Non-SCART model only)
- Automatic FEC Detection
- DiSEqC 1.0 & 1.2 compatible

Satellite/Channel support

- 3500 TV channels, 1500 Radio channels storable

Video/Audio

- Automatic PAL/NTSC selection
- Multi-lingual Audio support
- Automatic channel search

OSD (On Screen Display) support

- 256 color support.
- Multi-lingual menu text support.
- GMT and Time Offset support
- 10 favorite channel groups support
- Page Up/Page Down available on your channel list
- PIG (Picture In Graphic) support

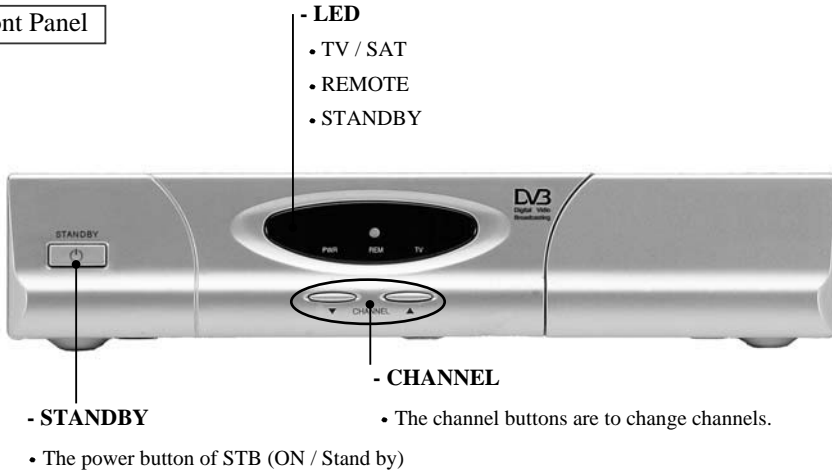
Teletext

- Software emulation mode with always VBI insertion mode on.

Games are embedded.

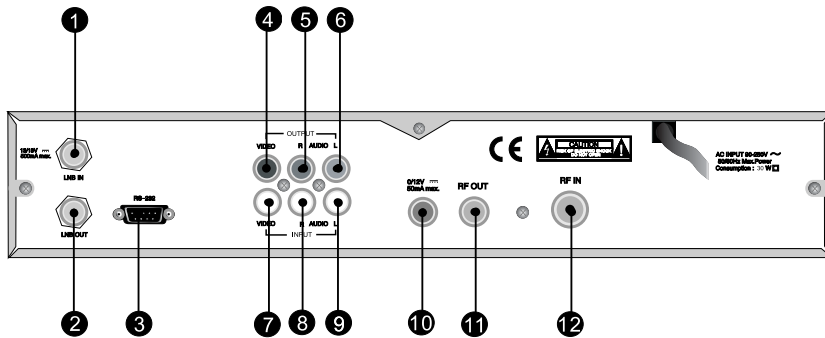
FRONT / REAR PANELS

1) Front Panel



2) Rear Panel

(Non-SCART model)



FRONT / REAR PANELS

❶ LNB IN

- Connects the satellite antenna cable.

❷ LNB OUT

- Use it to connect to another STB.

❸ RS232

- Upgrades the STB Program & software

❹ VIDEO OUTPUT

- Video output

❺ AUDIO-RIGHT OUTPUT

- Audio output.(RED)

❻ AUDIO-LEFT OUTPUT

- Audio output.(WHITE)

❼ VIDEO INPUT

- Video input

❽ AUDIO-RIGHT INPUT

- Audio input.(RED)

❾ AUDIO-LEFT INPUT

- Audio input.(WHITE)

❿ 0/12V OUTPUT

- Chooses the LNB on the antenna.

⓫ RF OUT

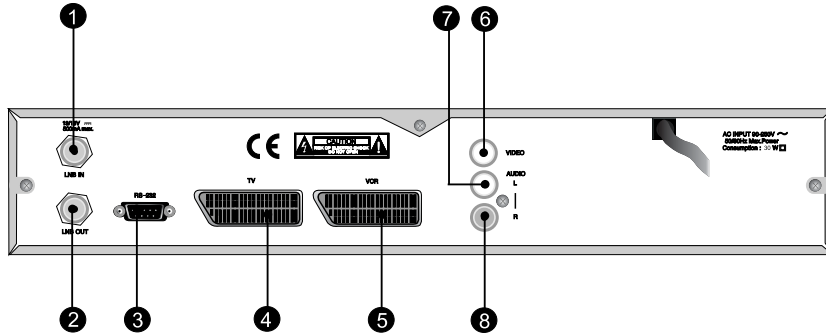
- Connects the TV RF IN (ANT IN)

⓬ RF IN

- Connects the TV antenna














FRONT / REAR PANELS

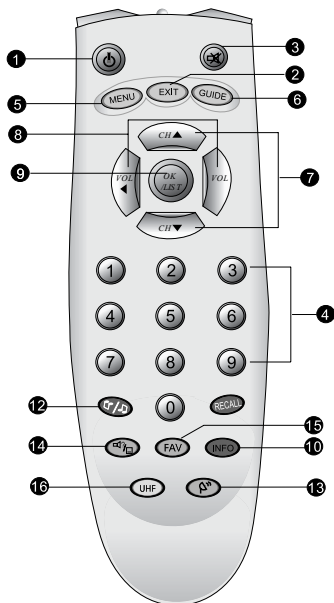
(SCART model)




- | | |
|---|-----------------------------|
| 1 LNB IN | 7 AUDIO-LEFT OUTPUT |
| • Connects the satellite antenna cable. | • Audio output.(WHITE) |
| 2 LNB OUT | 8 AUDIO-RIGHT OUTPUT |
| • Use it to connect to another STB. | • Audio output.(RED) |
| 3 RS232 | |
| • Upgrades the STB Program & software | |
| 4 TV SCART | |
| • Connects the TV SCART | |
| 5 VCR SCART | |
| • Connects the VCR SCART | |
| 6 VIDEO OUTPUT | |
| • Video output | |


REMOTE CONTROL UNIT (RCU)


- ❶ POWER Button ()
 - Switches the STB between Operation and Standby mode.
- ❷ EXIT Button ()
 - Returns to the previous menu and the screen.
- ❸ MUTE Button ()
 - Enables/ Disables the Audio.
- ❹ Numeric Keys ( ~ )
 - Selects the TV or Radio service channels and individual menu options.
- ❺ MENU Button ()
 - Displays the Menu on screen or returns to previous menu from submenu.
- ❻ GUIDE Button ()
 - Displays the EPG (Electronic Program Guide) on screen only when available.
- ❼ P+/P- Buttons ( , )
 - Tunes to the next or previous service.
Services up or down through the available services.
- ❽ V+/V- Buttons ( , )
 - Adjusts the volume (Increase/Decrease).
- ❾ OK Button ()
 - Displays Channel List on screen. Selects the item in the menu mode.
- ❿ INFO Button ()
 - Displays the program information box on the screen and removes it.





REMOTE CONTROL UNIT (RCU)


- ⑪ RECALL Button ()
 - Selects the previously viewed channel.

- ⑫ TV/Radio Button ()
 - Selects the TV/Radio mode.

- ⑬ TV/SAT Button ()
 - Changes the terrestrial TV and Satellite mode.

- ⑭ SOUND, SUBTITLE and TELETEXT Button ()
 - Selects LEFT/RIGHT/MONO/STEREO sound function.
 - Selects the subtitle language list for the current service.
 - Enables the teletext with software emulation.

- ⑮ FAV Button ()
 - Displays the favorite channel list.

- ⑯ UHF Button ()
 - Displays and alters the UHF setting in menu.

INSTALLATION (Connection)

- First, connect both the satellite antenna and the TV line to the STB and switch the power on.
- In this manual there are some of the most common ways to connect the equipment: TV, VCR and STB.
- There are several ways of connecting the STB to the existing Audio/TV system. We recommend using one of the following setups.
- If you have problems with your connections and need help, contact your dealer or Service Provider.

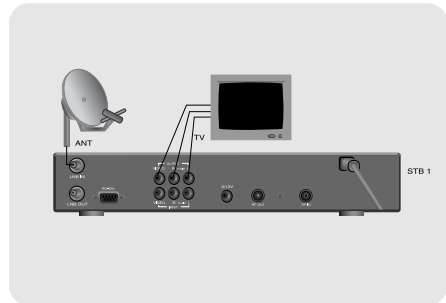
1. Non-SCART model

1) Connection to TV, VCR and Hi-Fi

1-1) Connection to the TV with the CINCH Cable.

Connect one end (3 connectors) of the CINCH cable to the AUDIO-RIGHT (red), AUDIO-LEFT (white) and the VIDEO OUTPUT (yellow) socket on the STB.

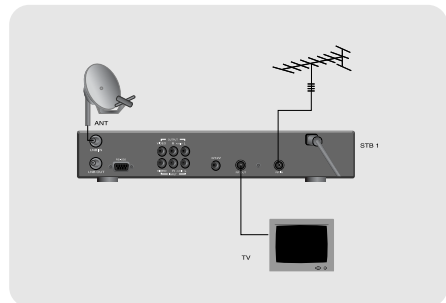
Connect the other end (3 connectors) to the AUDIO-RIGHT input (red), AUDIO-LEFT input (white), and the VIDEO input (yellow) socket on the TV or Hi-Fi.



1-2) Connection to the TV using the RF cable.

Connect a terrestrial antenna to RF IN socket on the STB.

Connect one end of the RF cable to the RF OUT socket on the STB. Connect the other end to the ANT IN socket on the TV.

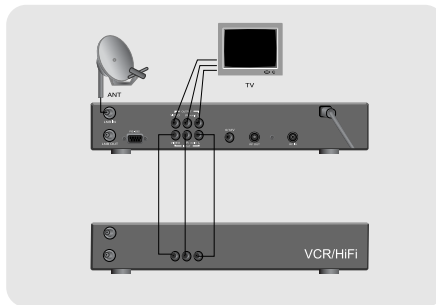


INSTALLATION (Connection)

1-3) Connection to the other A/V equipment with the CINCH Cable.

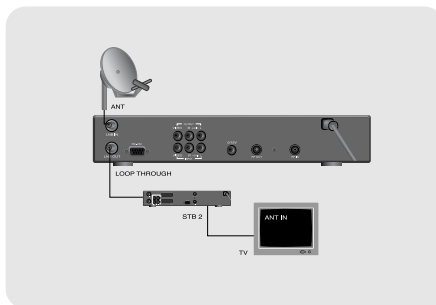
Connect one end (3 connectors) of the CINCH cable to the AUDIO-RIGHT-IN (red), AUDIO-LEFT-IN (white) and the VIDEO INPUT (yellow) socket on the STB.

Connect the other end (3 connectors) to the AUDIO-RIGHT (red), AUDIO-LEFT (white) and the VIDEO OUTPUT socket on the A/V equipment. Then STB may bypass the A/V signals of the A/V equipment in the case of standby mode of STB.



2) Connection to the other Satellite Receiver.

Connect the satellite cable to the LNB IN socket on the STB. With a connector, connect the LNB OUT socket on the STB and the ANT IN socket of the other STB.

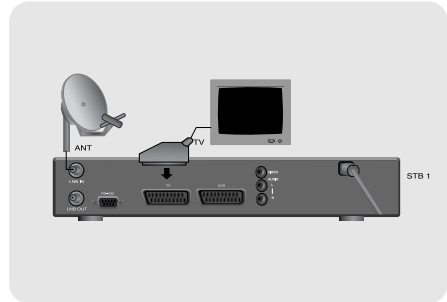


2. SCART model

1) Connection to TV, VCR and Hi-Fi

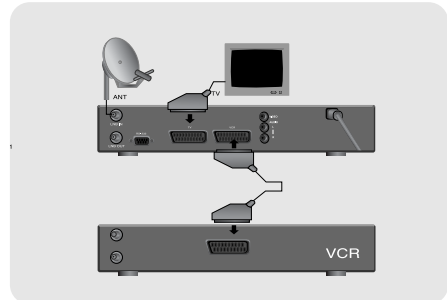
1-1) Connection to the TV with the SCART Cable.

Connect one end of the SCART cable to the TV SCART socket on the STB and the other end to a SCART socket on the TV.



1-2) Connection to the VCR with the SCART Cable.

Connect one end of the SCART cable to the VCR SCART socket on the STB and the other end to a SCART socket on the VCR.

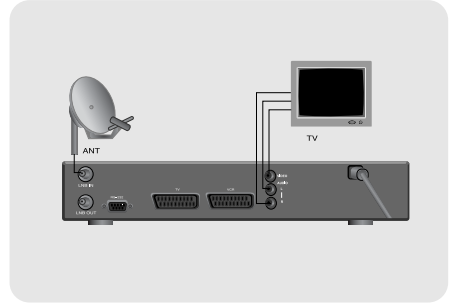


INSTALLATION (Connection)

1-3) Connection to the TV with the CINCH Cable.

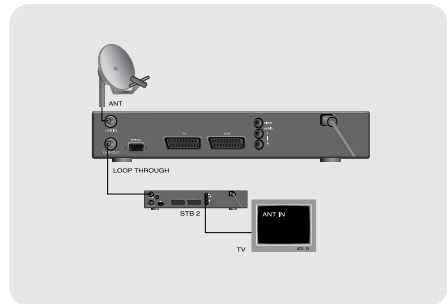
Connect one end (3 connectors) of the CINCH cable to the AUDIO-RIGHT (red), AUDIO-LEFT (white) and the VIDEO OUTPUT (yellow) socket on the STB.

Connect the other end (3 connectors) to the AUDIO-RIGHT input (red), AUDIO-LEFT input (white) and the VIDEO input (yellow) socket on the TV or Hi-Fi.





2) Connection to the other Satellite Receiver.



Connect the satellite cable to the LNB IN socket on the STB. With a connector, connect the LNB OUT socket on the STB and the ANT IN socket of the other STB.








GETTING STARTED

Press the Power  button to operate the STB from the STANDBY mode.

Now, the Info box will appear for a given time and disappear. Pressing the  button, the Info box will remain on the screen. The display time of the Info box is adjustable under the Installation Menu of the Main Menu.

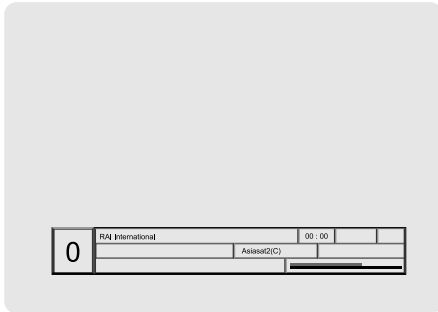
If the current broadcast has EPG (Electronic Program Guide) with it, press the  button to see not only the current channel's but also other channel's EPG without any time constraints. Also, press the  button to reserve and save the current service and to watch the broadcast automatically when it starts.

IMPORTANT: Before taking charge of your new STB, some important technical settings are essential.

- Adjust your antenna through Dish Setting menu in installation menu.
- First, press the  button on the RCU to make the Main Menu appear.
- Go to the LNB Setting menu under the Channel Search item of the Installation menu and press  button.
- The Default PIN CODE is 0000.
- Choose the right parameters for Satellite Name, LNB Frequency, 22KHz, 12 V, DiSEqC 1.0, and Motorized System according to your LNB and satellite settings. If the right Satellite Name and LNB Frequency were not found in the list, call the dealer for satellite information.
- Then, press the  button and go back to the Channel Search menu.
- Set the Search Mode to the Auto mode. (A Manual or Advanced Search can always be performed later on)
- Select the Start Search... item and press  button.
- The search procedure will take a while. Press the  button when the searching process is over (100%) to confirm and save the new channel list.
- For further information, please refer to the LNB Setting item of the MENU OPERATIONS on this manual.

Function Guide

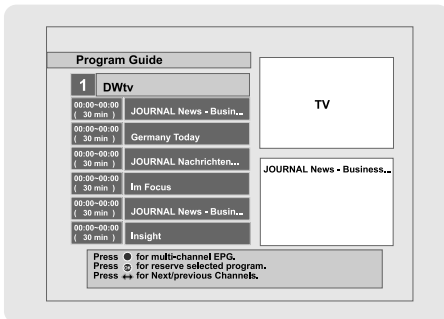
Information Box



Press INFO key on the RCU to see the program information. The Information box displays as follows:

- Channel Number
- Channel Name
- Detailed Program Information
- Signal Level & Quality
- Satellite Information
- Information of subtitle and / or teletext

EPG (Electronic Program Guide)



To use currently showing TV, and Radio services as well as to use next program schedules, press **GUIDE** button on the remote control unit.

If EPG is available on programs, you will see the detailed description of the programs, start/end time and programs schedules etc.

P+, **P-** and **V-**, **V+** buttons will be used to move program and to see next program

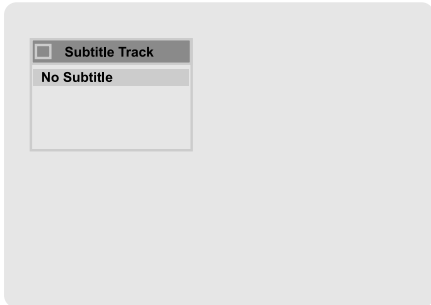
schedules. The **OK** button makes the reservation for the next program.


INFO button shows extended information of the current program.


TV/R button will change the contents of EPG between TV and Radio services.

Function Guide


Subtitle



You can choose a language of subtitle using  button on the RCU.

If a broadcaster provides subtitles, you can see  symbol in the Information Box.


Teletext



If a broadcaster supports teletext, you can see  symbol in the Information Box.

There are VBI insertion mode and software emulation mode in teletext.

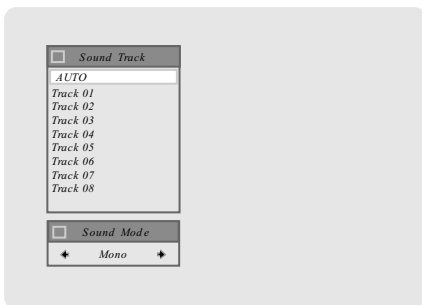
In the VBI insertion mode, which is always on, you can watch the teletext with your TV using the RCU of your TV. To watch teletext with VBI insertion, your TV must support teletext.


In the software emulation mode, you can watch the teletext even though your TV does not support teletext. You can watch the teletext using the RCU of STB.


Press  button twice to watch the teletext with software emulation mode.

Press  button or EXIT() button to escape from teletext.

Soundtrack



You can choose a language of soundtrack using  button on the RCU when a broadcaster supports various languages of soundtrack.


Also, it is possible to choose a mode among Stereo, Mono, Left and Right using the  buttons on the RCU.

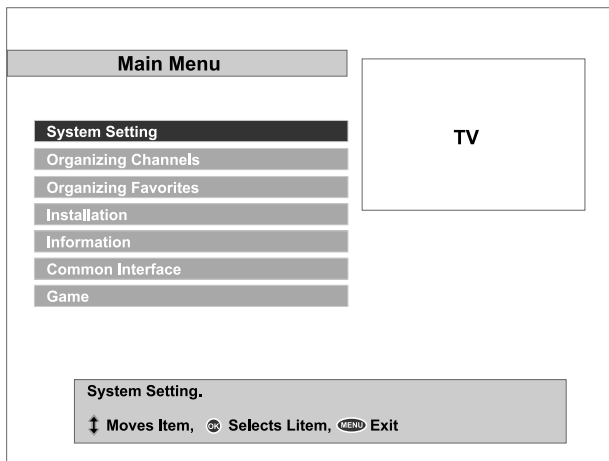
MENU OPERATIONS

Now this chapter assumes that the STB system has been installed correctly, meaning:

- * The satellite dish for the STB has been installed, connected to the STB and correctly adjusted to the proper satellite.
- * The STB is connected to the TV.
- * The RCU has batteries and ready to control the STB.

If the STB has not been installed or connected properly, please refer to the INSTALLATION (connection) menu on this manual.

Many of the functions of the STB are available from the Main Menu. Press the  button to open it.



I. SYSTEM SETTING


I-1 TIME SETTING

Various time modes can be set, such as the current local time, the Power On/Off time and the Sleep Time. The exact local present time can be adjusted by using the GMT, the Time Offset and the Mode sub menus.

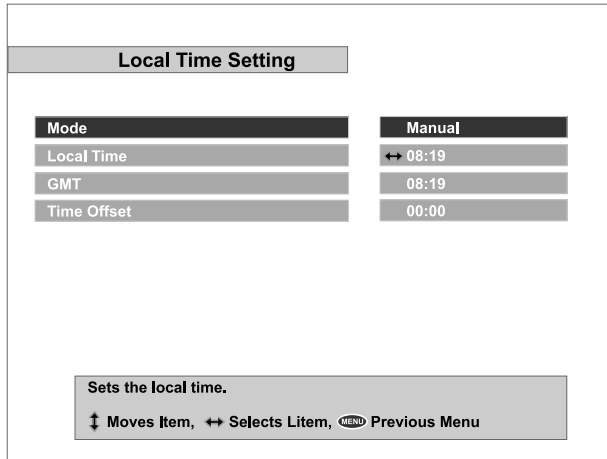
PLEASE NOTE: Configure the Local Time before adjusting the Wakeup Time, Power Off Time or the Sleep Time.


Time Setting	
Local Time setting	08:19
Timer	On
Wakeup time	11:12
Wakeup channel	0
Power Off Time	00:00
Sleep Time	Disable

IRD will wakeup according to the Wakeup time


↑ Moves Item, ↔ Selects Litem,  Previous Menu

A. Local Time Setting




Press the  button in the Time Setting Menu to open the Local Time Setting menu. Inside the Local Time Setting menu, there are 4 sub menus: Mode, Local Time, GMT and Time Offset.

Mode

Using the  buttons can control the Auto/Manual mode. The Auto mode automatically updates the time settings by adding the GMT received from the satellite and the Time Offset value you have inserted. The Auto mode is recommended.

Local Time



The Local Time is adjustable only when the Mode is on the Manual mode. Adjust the current time, if necessary, by using the numeric buttons and the  buttons.

GMT

GMT is referred to the standard time of Greenwich. This cannot be changed.

MENU OPERATIONS


Time Offset



The current time of the local area can be inserted. In another words, insert the time difference of the local time zone from the GMT. For example, if the local area is Seoul (the time difference from the GMT being 9), insert 9:00. The time is adjustable by using the ,  buttons, 15 minutes at a time.

B. Timer



Time Setting	
Local Time setting	08:19
Timer	On
Wakeup time	↔ 11:12
Wakeup channel	0
Power Off Time	00:00
Sleep Time	Disable

IRD will wakeup according to the Wakeup time

↓ Moves Item, ↔ Selects Litem,  Previous Menu

Use the ,  buttons when selecting the On/Off mode. If the Timer menu Timer menu is set to On, the Wakeup Time Menu, the Wakeup channel Menu and the Power Off Time Menu becomes adjustable.

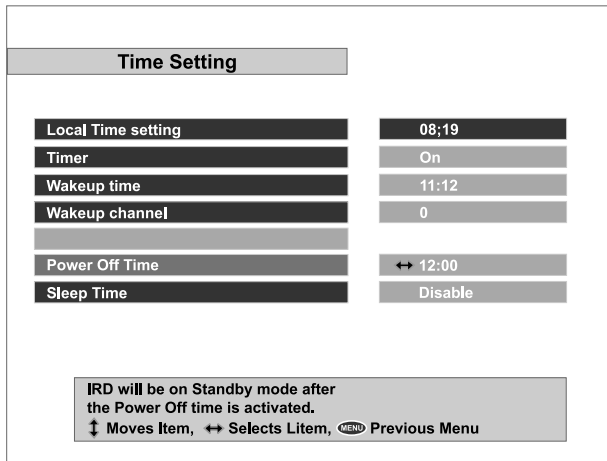
C. Wakeup Time

The Wakeup Time menu sets up the time the STB automatically turns on. Insert the preferable Wakeup Time by using the numeric buttons and the ,  buttons on the RCU. Otherwise, make the Timer disabled.

D. Wakeup Channel

The Wakeup Channel menu automatically turns the STB to the preset channel when it automatically turns on by the Wakeup Time function.

E. Power Off Time

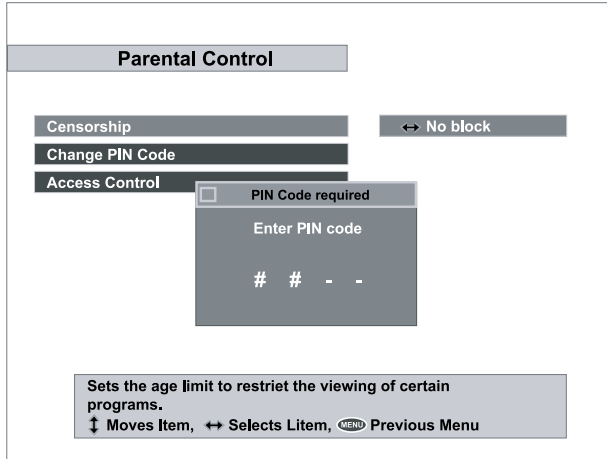


The Power Off Time menu sets the time of the STB automatically turns off.

F. Sleep Time

The Sleep Time menu is similar to the Power Off menu. The Sleep Time function turns off after the adjusted sleep time.

I-2. PARENTAL CONTROL



The age rating control, the PIN(Personal Identification Number) Code and the passwords to various menus can be configured. The PIN Code box will automatically appear when this menu is selected. The default PIN Code is 0000.

A. Censorship

The Censorship menu blocks programs according to each specific setting.

Use the (←, →) buttons to select the menus below.

No Block: Access to everyone.

4~18(age): Inaccessible for viewers within each minimum age limit.

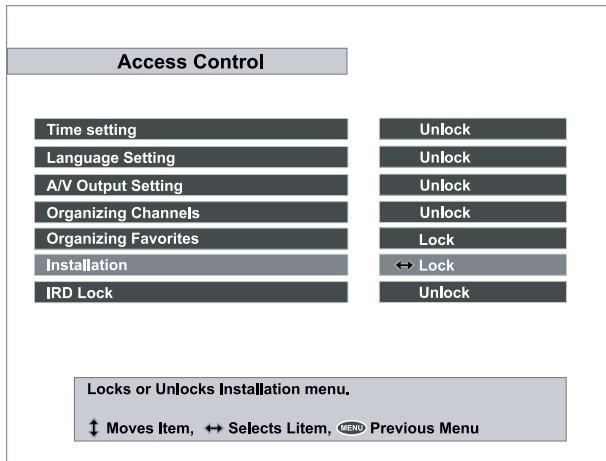
Total Block: Access to no one .

If the channel is limitation free, the block function will not work.

B. Change PIN Code

Go to the PIN Code menu to configure new PIN Code. Press the (OK) button, and a number box will appear on the right side of the screen. Enter the PIN code by using the numeric buttons on your RCU.

C. Access Control



The Access Control menu controls access to 6 menus: Time Setting, Language Setting, A/V Output Setting, Organizing Channels, Organizing Favorites and Installation. Press the (V-) (V+) buttons to Lock/Unlock the access. Locking means controlling the access to specific menus with the PIN Code system. The default PIN Code is 0000.

I-3. LANGUAGE SETTING



There are many languages available for the menu. The default language is English.

A. Menu Language


It is an item for changing the language of the Main Menu.

Select which language the menus will be shown in.

[English / French / German / Italian / Spanish / Arabic / Greek / Turkish / Danish / Swedish / Norwegian]

B. Subtitle Language

It is an item for changing the language of the subtitle.


As long as the services support, the subtitle language is changeable by pressing the  button on your RCU.

[English / French / German / Italian / Spanish / Arabic / Greek / Turkish / Danish / Swedish / Norwegian]

MENU OPERATIONS

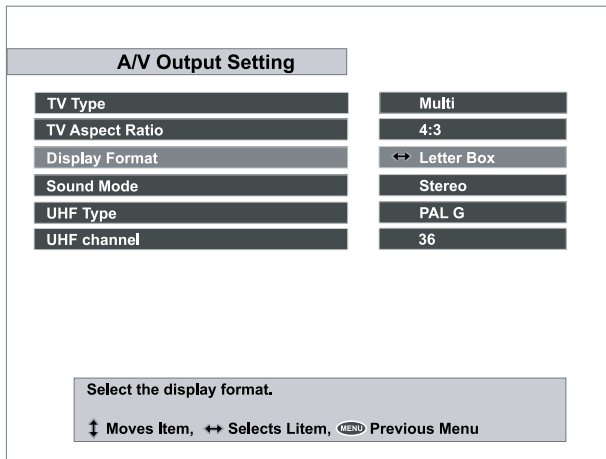
C. Audio Language

It is an item for changing the language of the Audio.

The first audio language is set to English. If more than one audio language is transmitted, you may select one language among several languages transmitted by pressing the  button.

[English / French / German / Italian / Spanish / Arabic / Greek / Turkish / Danish / Swedish / Norwegian]

I-4. A/V OUTPUT SETTING



The STB has many A/V Outputs. Control this menu properly according to external components connected to the STB. Configurations concerning Audio and Video can be made here.

A. TV Type


Enables the setting of the TV standard.

B. TV Aspect Ratio



Enables the setting of the screen format of the TV. Select 4 : 3 or 1 6 : 9 mode.

MENU OPERATIONS


C. Display Format

Enables the setting of the screen format of the TV. Select the Letter Box or Center extract mode of 16:9 pictures by using  buttons.


D. Sound Mode

Allows you to configure the sound mode. Select the Stereo, Mono, Left and Right modes by using the  buttons. The Sound mode is configurable later on by using the  button on your RCU.

E. UHF Type

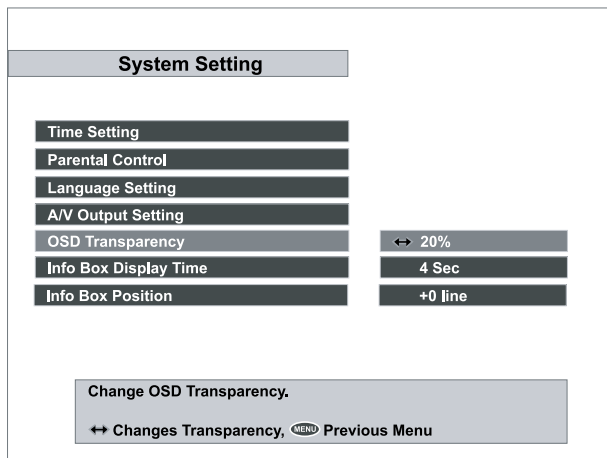
Allows you to change the UHF Type. Select the PAL G, PAL I, PAL K modes by using the  buttons.

F. UHF Channel

Choose the UHF Channel by using the  buttons. The default UHF channel is CH36.

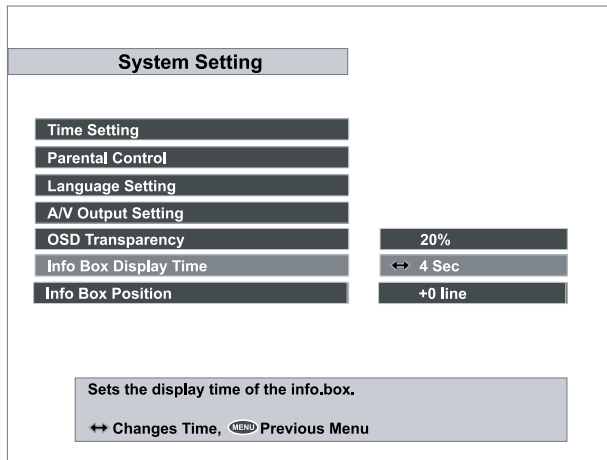
I-5. OSD Transparency

Adjusts the OSD transparency level of all kinds of menus. The available levels are ranging from 0% to 50%.




I-6. Info Box Display Time

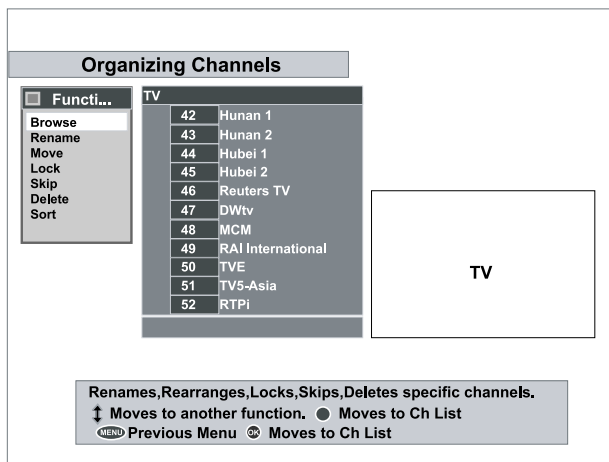
Adjusts the time-out of the Info Box. Sets the period of time the Info Box is displayed on screen. The adjustable time is from 0 to 30 seconds.



I-7. Info Box Position

Adjusts the position of the Info Box. Allows you to change the position by using the  buttons.

II. ORGANIZING CHANNELS



This mode can be used to rename, reorder, lock, hide and to delete TV Services.

A. Browse

Press the **OK** button. Now, browsing through the Organizing Channels is possible. Press assigned buttons on the help message.

B. Rename

Use the **P+**, **P-** buttons to select **Rename** menu and press the **OK** button to move to the Channel List. Use the **V-**, **V+** buttons for selecting and renaming the channels. After renaming it, be sure to save it by pressing the **OK** button.

C. Move


You can reorder and move the service to the preferred position. Mark the desired channel to move and press **OK** button. Use the **P+**, **P-** buttons to choose the **move** mode.

MENU OPERATIONS


D. Lock

You can restrain and lock the use of the services. From here, locking (and later unlocking) channels in any of the lists is possible e.g. in order to prevent children from watching it. If a locked service is selected, enter the PIN code in order to enjoy it.

E. Skip

You can ride and skip the services. In order to unlock the skip function, press the  button on the skipped channel. The skipped channels will not be visible on channel list.

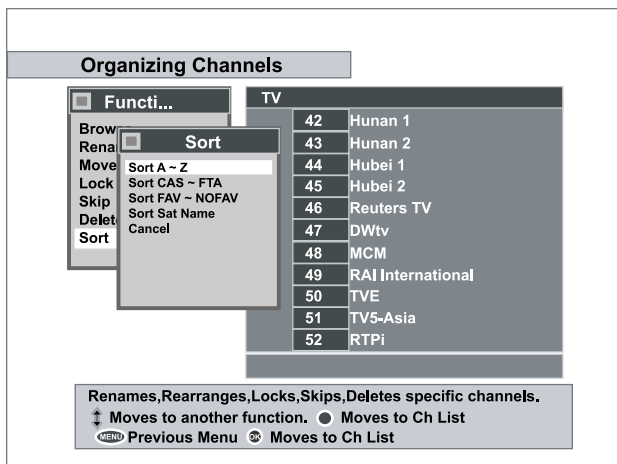
F. Delete

Press  button to delete channels. The delete function differs from the skip function as it deletes the channel completely. Whereas, the skip function just makes the channel invisible.

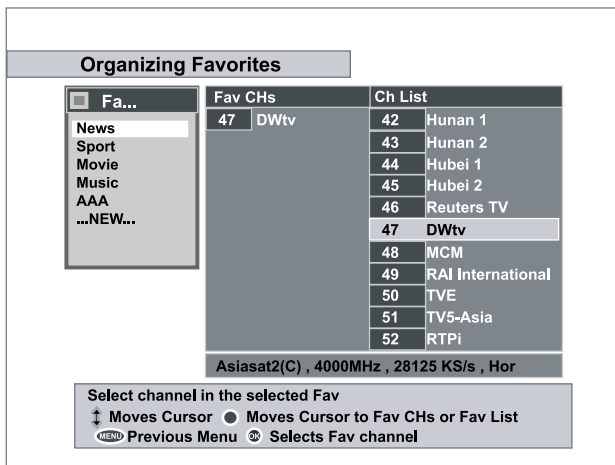
NOTE: Deleted channels are permanently deleted. The only way to reobtain is to perform a new channel search.

G. Sort

You can sort and rearrange the sequence for the services.



III. ORGANIZING FAVORITES



This mode is helpful in adding and deleting services to and from the favorite group.

Under the menu Organizing Favorites, there are three different modes: Fav List, Fav CHs and Ch List. On the Fav List mode, four standard lists are selected as the default menus: News, Sports, Movie and Music. Up to 10 lists including these lists can be added and renamed.

When deleting a service, select a service in the Fav CHs section and press the assigned button on the help message.

To add services into Favorites, locate the cursor to the desired service and press the **OK** button.

Even in the Favorite CHs, you will see basic satellite & Channel information.

MENU OPERATIONS

IV. INSTALLATION

Installation

- LNB Setting
- Channel Search
- Dish Setting
- Motorized DiSEqC1.2
- SAT/TP Edit
- Factory Setting
- Transfer Program to Other IRD
- Transfer Data to Other IRD

Configures LNB & DiSEqC.
↓ Moves Item, OK Enter LNB Menu, MENU Previous Menu

IV-1.LNB Setting

LNB Setting

Satellite Name	Asiasat2 (C)
LNB Frequency	5150 MHz
LNB Power	On
22Khz	Off
12V	Off
DiSEqC 1.0	Disable
Channel Search	

Select the satellite name of the dish.
Press OK to see the list.
↓ Moves Item, ↔ Selects Item, MENU Previous Menu

MENU OPERATIONS

The Low Noise Blockdown Converter (LNB) amplifies the signal received by the satellite dish and lowers the frequency of the signal. The signal is then fed from the LNB at the dish via cable to the STB.

For the LNB Settings, move the cursor to **INSTALLATION** item and press **OK** button.

Then, set the cursor to the **LNB Setting** item and press **OK** button.

A. Satellite Name

Press the **OK** button to display the Satellite List box. The Satellite name list is put in alphabetical order. Select one of the preprogrammed satellites that correspond to the value of the antenna. In other words select one of the already searched services at the first installation. If the desired satellite name is not in the list, then select **Others**.

B. LNB Frequency

Select the L.O. Frequency set to antenna. The LNB Frequency of 5150, 9750, 10600, 10750, 11475 MHz or Universal can be selected by using the **←** or **→** button.

NOTE: If the Universal LNB is selected, both 9750 and 10600 MHz are supported at the same time, and therefore the 22 KHz tone setting is not required.

C. LNB Power

Select LNB power '**On**' for internal and '**Off**' for external.

D. 22 KHz

If you are using a 22 KHz tone switch box, make 22 KHz tone switch enable or disable to select LNB or antenna.

MENU OPERATIONS

E. 12V


Use it if the switch box is controlled by 12V DC. (Non-SCART model only)

F. DiSEqC 1.0

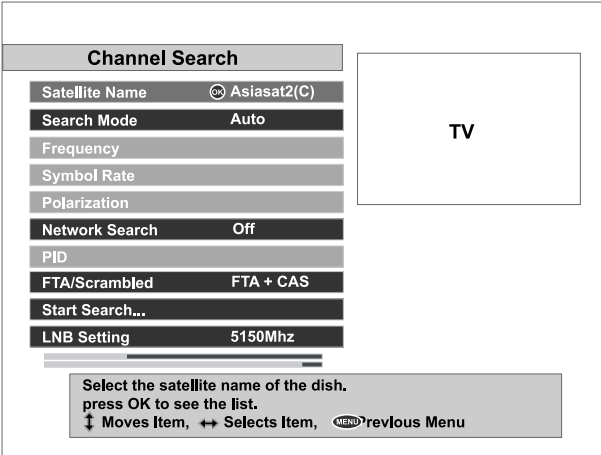
The STB is designed to be DiSEqC 1.0 compatible. This allows multiple antennas to be connected to the STB at the same time. If using two or more fixed antennas or LNBS, then it is recommended to use a DiSEqC 1.0 switch.

Select from 1 of DiSEqC to 4 of DiSEqC, Mini A, MiniB or Disable according to the option or the configuration of DiSEqC switch box or antenna.

G. Channel Search

It is used to go to channel search menu directly from LNB setting menu, press  button at this item.

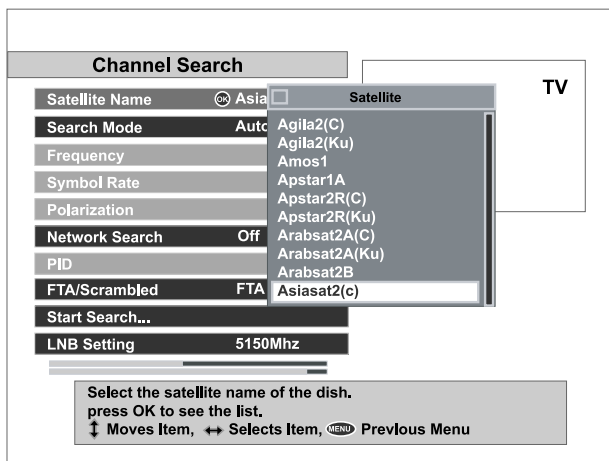
IV-2. Channel Search



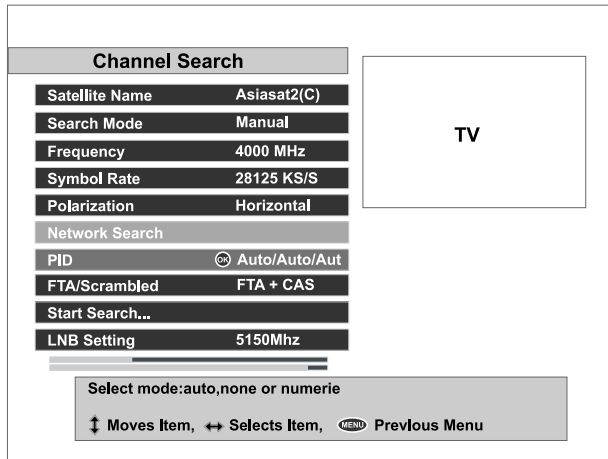
Channel Search	
Satellite Name	Ⓞ Asiasat2(C)
Search Mode	Auto
Frequency	
Symbol Rate	
Polarization	
Network Search	Off
PID	
FTA/Scrambled	FTA + CAS
Start Search...	
LNB Setting	5150Mhz

Select the satellite name of the dish.
press OK to see the list.
↓ Moves Item, ↔ Selects Item, [MENU] Previous Menu

A. Satellite Name



Press the **OK** button to display the Satellite List Box. The Satellite name list is put in alphabetical order. Select one of the preprogrammed satellites that correspond to the value of the antenna. If the desired satellite name is not in the list, then select **Others**.

B. Search Mode

There are 4 search modes, Auto, Manual, Advanced and SMATV. The Auto mode enables to search using the information the IRD has. On the other hand, there will be a need to know in advance the frequencies and the symbol rates before using the Manual mode. On the Advanced mode, enter the Audio PID, Video PID or the PCR PID. The SMATV mode is used to special purposes on satellite master antenna TV system.

C. Frequency

Enter the Transponder's Frequency by using the numeric buttons on your RCU.

D. Symbol Rate

Enter the Transponder's Symbol Rate by using the numeric buttons on your RCU.

E. Polarization

Choose the Type of polarization, either the Horizontal or the Vertical.

F. Network Search

This Network Search menu can be used if the Search mode is turned to the Manual or Auto mode. If the Network Search menu is turned on and the NIT (Network Information Table) is available, the Transponder's information can be found.

G. PID

Press  button to enter Video/Audio/PCR PID's.

1) Video PID

Insert the Video PID by using the numeric buttons on your RCU.

2) Audio PID


Insert the Audio PID by using the numeric buttons on your RCU

3) PCR PID

Insert the PCR PID by using the numeric buttons on your RCU.

Maximum 16 digits can be entered.

4) SAVE

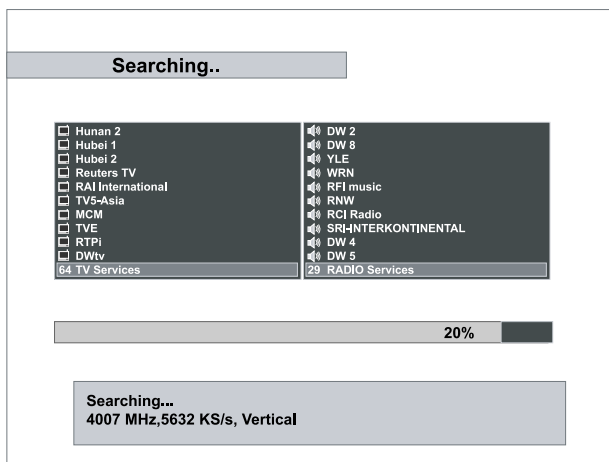
To ensure the above Video/Audio/PCR PID change, press  button at this item.

H. FTA/ Scrambled

Choose your favorable channels among FTA only / CAS only / FTA+ CAS.

I. Start Search...

Searches for digital channels after the configuration of the LNB is over. To stop the searching process on the way, press either the **MENU** button or the **EXIT** button. This menu will be shown as long as the STB is searching for channels. All channels found will be listed in two columns on the screen; with TV channels in one



column and Radio channels in the other. Please note that the search procedure may take a few minutes. When the search procedure is completed, the screen will show how many TV and Radio channels have been found. Press **OK** button to save the channels.

J. LNB Setting

To go to LNB Setting menu directly from Channel Search menu, press

OK button at this item.

IV-3 . Motorized DiSEqC 1.2

Motorized Dish Setting

Satellite Name	← Asiasat2(C)
Frequency	3640 / 27850 / H
LNB Setting	
Motorized DiSEqC1,2	Disable
DiSEqC1.2 Command Mode	User
Movement	0(Stop)
Motor Control	Goto
Channel Search	

EL	WL 1000
----	---------

Select the satellite name of the dish.
Press OK to see the list.

↑ Move Item, OK Selects Item, MENU Previous Menu

If you have DiSEqC 1.2 motorised system, then you can use the DiSEqC 1.2 functions.

. Satellite Name

A selection of satellite names that will be used to identify a motor position.

. **Frequency**: Selects the frequency to catch the strong signal.

. **DiSEqC Command Mode** : Change the current mode between User and Installer modes.

- User: This mode is used to fine-tune the position of the motor for better reception.

- Installer: This mode is used to search for the position of a satellite manually.

. **Movement**: In case of User mode, the movement is adjustable by fine-tuning.

In case of Installer mode, the movement is adjustable by East, West going command.

MENU OPERATIONS

. Motor Control




- Goto : Moves the motor to the stored position of the selected satellite.
- Store : Stores the current position of the motor for the selected satellite.
- Reset : Resets all stored position of the motor relative to the “0” position.
(Installer mode only)
- Recalculate : Recalculates the position of the Stab Rotor motor.
- Limit E,W: Limits east and west position.
- Limit OFF : Setting of the limitation.
- Goto Ref : Goes to reference.

. **Channel Search:** After saving the DiSEqC configuration at the highest signal strength, press **OK** button to start channel searching of the selected satellite.




IV-4. SAT/TP Edit

SAT/TP Edit	
Satellite Name	OK Asiasat2(C)
Frequency	3640 MHz
Symbol Rate	27850 KS/s
Polarization	Horizontal
SAT Name Edit	
Add new TP	
Delete TP	
Add Satellite	
Delete Satellite	
Channel Search	
Select the satellite name of the dish. Press OK to see the list. ↑ Moves Item, ↔ Selects Item, MENU Previous Menu	

A. Satellite Name

By pressing  button, you can see the listed satellite names .
Then, using  or  buttons, you will find Frequency, Symbol Rate and Polarization information of each satellite.

B. Frequency

By pressing  button, you can see the all frequencies of transponders of a satellite, and also you can select a frequency. Or, just pressing  or  buttons, you can select and view a frequency one by one.

C. Symbol Rate


You can see the symbol rate of specified satellite on the right side of the menu.

D. Polarization

You can select the polarization from Horizontal and Vertical modes.





E. Sat Name Edit

You can change the name of the satellite name by this menu.

Press  button to display a keyboard. There are several items such as Other, Save and Space in the keyboard.

By selecting Other item, you can see a new alphabet character sets.

The Space item a space between two characters. And the Save item is used to confirm the new name of the satellite.


Notes: You can move the cursor in the satellite name row by  or  and column by  or  button.

F. Add New TP

In case of new transponder information is added by broadcaster, you can add new TP(transponder) information and enjoy new services.

Before adding new TP information, you should know the frequency, symbol rate and polarization types.

After adding new information, you should confirm the new information by pressing

 button at O K item.

G. Delete TP

By this menu selection, you can delete the selected TP(Transponder) information.

H. Add Satellite

Using this menu, you can add new satellite name by keyboard, then it will be added in the Satellite Name menu.

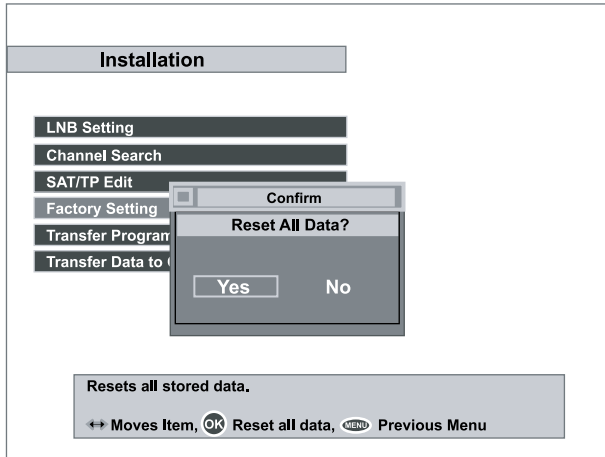
I. Delete Satellite

By this menu selection, you can delete the selected satellite information.

J. Channel Search

It is used to go to channel search menu directly from SAT/TP Edit menu.

IV-5. Factory Setting



All the stored data can be reset just like it was manufactured.

IV-6. Transfer Program to Other IRD

It is used to transfer program to other IRD for upgrading the IRD.

Notes: Please proceed this menu with connecting the IRD of same model and same specification.

IV-7. Transfer Data to Other IRD

It is used to transfer data such as satellite/TP information to other IRD for upgrading the IRD.

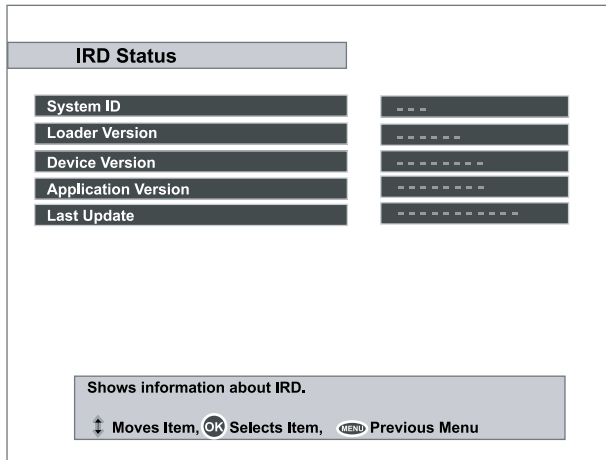
Notes: Please proceed this menu with connecting the IRD of same model and same specification.

MENU OPERATIONS

V. INFORMATION

You can check the STB version and refer the calendar.

V-1. IRD STATUS







Check the IRD's system information. It shows the IRD's:

- v System ID
- v Loader Version
- v Device Version
- v Application Version
- v Last Update

V-2. CALENDAR



Press the  or  button to select the year. Press the  or  button to select the month.

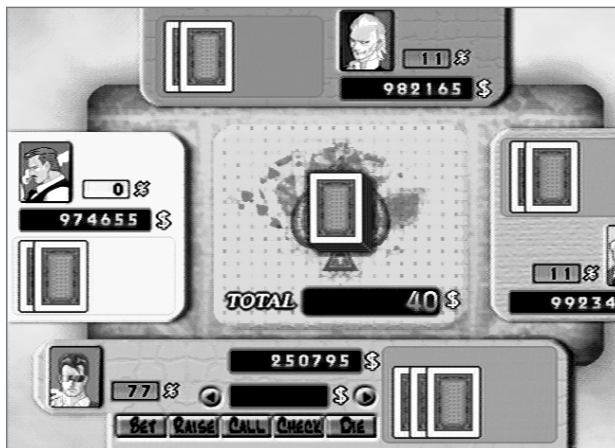
MENU OPERATIONS

VI. GAME

VI-1. Block

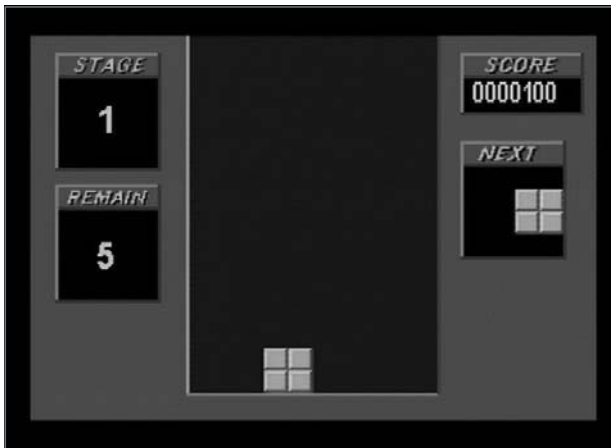


VI-2. Poker

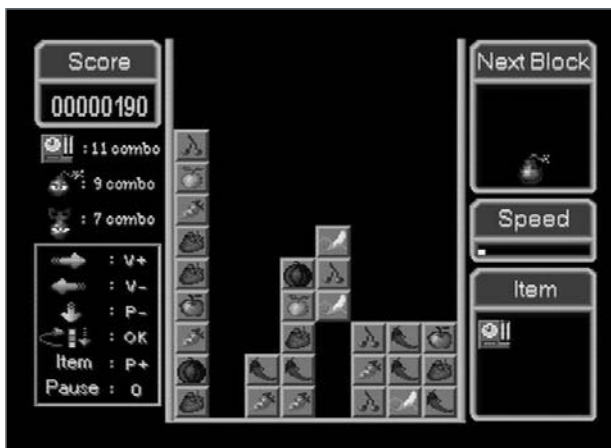


MENU OPERATIONS

V1-3. Bricks Lay



V1-4. Bomb Hexa



TROUBLESHOOTING (Q & A)

Problem	Possible Causes	What to do
Nothing appears on the Front Panel.	The main power cable is not connected.	Check that the main power cable is plugged into the power socket.
No sound or picture, but the front panel shows the time or -- : --	STB is in standby mode.	Turn the power ON.
No Picture, No Sound.	<ul style="list-style-type: none"> • The satellite dish is not pointing at the satellite. • No Signal or Weak Signal. • LNB is faulty. • The UHF Key is "pushed down". 	<ul style="list-style-type: none"> • Adjust the dish. • Check the settings in one of the channel search submenus. • Check the cable connections. • Replace the LNB. • Get out of the UHF mode.
The Remote Control Unit (RCU) is not working.	<ul style="list-style-type: none"> • No Batteries. • The RCU is incorrectly aimed. • The STB is in standby mode. 	<ul style="list-style-type: none"> • Change the batteries (both). • Aim the RCU properly to the STB. • Change the mode to the normal mode.
You have forgotten your secret PIN Code.		Contact your Service Provider.
Time Setting is wrong.	The Time is not set properly.	Adjust the Time on the Menu.
2 broadcasts overlap.	The channels are not configured properly on the RF mode.	Set the channels in the RF mode under the A/V setting of the Menu between 21 to 69 on the TV.

SPECIFICATIONS(IRD)

I . STB SPECIFICATIONS

Item	Specification
Power	90 - 250VAC, 50 / 60Hz
Input Frequency	950 - 2150 MHz
DATA Service	1 RS - 232C, 115kbps
SCART (SCART model only)	2 SCARTS: 1 VCR, 1 TV
CINCH A/V Out	1Video / 2 Audio (left and right)
CINCH A/V In (Non-SCART model only)	1Video / 2 Audio (left and right)
LNB Power	Convertible 13.5/18V (500mA max)
Modulation / FEC Type	QPSK / Multiple convolution coding (DVB Compliant)
DiSEqC Bus	DiSEqC Ver. 1.0 / 1.2 compatible
Tone Switching	22 KHz
RF Modulator (Non-SCART model only)	UHF Ch. 21-69 with PAL I/G/B
Specification	MPEG - 2/DVB Compliant SI
Video Compression	MP@ML in MPEG-2
Aspect Ratio	4:3 or 16:9
On-Screen Display	256 colors with full resolution
EPG	Supported

II . CHANNEL PROCESSING

Item	Specification
Input Frequency Range	950 - 2150 MHz
Number of Channels	3500 TV Channels and 1500 Radio Channels
Tuning System	PLL Digital Synthesis Channels
Tuning Step Size	125 KHz Max
Modulation	QPSK (DVB Specification)
Inner FEC	Rates: 1/2, 2/3, 3/4, 5/6, 7/8 (DVB Specification)
Outer FEC	Reed Solomon coding RS (204, 188, t=8)
Input Symbol Rate	2 to 45 Ms/s
IF Bandwidth	27MHz
Connector Type	F Type (IEC 169 - 24 female)

SPECIFICATIONS(IRD)

III . MPEG AUDIO

Item	Specification
Operation Mode	Mono , Left , Right and Stereo
Sampling Rates	32, 44.1 and 48 kHz
Resolution	18 bit digital to analogue Converters

IV . VIDEO SPECIFICATIONS

Item	Specification
Specification	Meets ETR 154 amended in ALM-95-021
TV System	PAL I ,G,K
Video Decoding	ISO / IEC 13818-2, MP@ML
Video Resolution	720 pixels × 576 lines × 25 frames per sec.

V . RF MODULATOR (Non-SCART model only)

Item	Specification
Features	Input RF bypass Supported.
Connector	IEC Coaxial female 9.5 mm.(IEC 168-2)
Channel Range	CCIR UHF E 22-69 adjustable
Pre-Set Channel	Channel 36 (or TBD)

VI . POWER SUPPLY

Item	Specification
Input Voltage	90 - 250VAC, 50 / 60Hz
Type	SMPS
Power Consumption	Max.30Watt
Standby Power	8Watt
Protection	Separate internal fuse